

ISACHENKO, P.I.; KARAYISHEVA, Z.V.; RACHKOVSKAYA, Ye.I.

Interuniversity conference on the phytogeographical zoning of
the U.S.S.R. Bot.zhur. 50 no.7:1038-1042 JI '65.

(MIRA 38:11)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

KOVALEVSKAYA, I.L.; EPSHTEYN-LITVAK, R.V.; DMITRIYEVA-RAVIKOVICH, Ye.M.;
 KURNOSOVA, N.A.; SHCHEGLOVA, Ye.S.; FERDINAND, Ya.M.;
 KHOMIK, S.R.; MAKHLINOVSKIY, L.P.; PETROVA, S.S.;
 GOLUBOVA, Ye.Ye.; GONCHAROVA, Z.I.; SARMANEYEV, A.P.;
 SIZINTSEVA, V.P.; Prinimali uchastiye: MEDYUKHA, G.A.;
 OSOKINA, L.A.; RACHKOVSKAYA, Yu.K.; OSOVTSEVA, O.I.;
 DEDUSENKO, A.I.; KOVALEVA, P.S.; KARASHEVICH, V.P.;
 CHEBOTAREVICH, N.D.; CHIGIR', T.R.; SKUL'SKAYA, S.D.;
 KECHETZHIYEV, B.A.; DEMINA, A.S.; ZUS'MAN, R.T.; YESAKOV, P.I.;
 SYSOYEVA, Z.A.; ZINOV'YEVA, I.S.; FAL'CHEVSKAYA, A.A.;
 DENISOVA, B.D.; TIMOFEEVA, R.G.; SYRKASOVA, A.V.;
 LYANTSMAN, S.G.

Reactivity and immunological and epidemiological effectiveness
 of alcoholic typhoid and paratyphoid fever vaccines in school
 children. Zhur. mikrobiol., epid. i immun. 33 no.7:72-77
 J1 '62. (MIRA 17:1)

1. Iz Moskovskogo, Rostovskogo, Omskogo institutov epidemio-
 logii i mikrobiologii, Stavropol'skogo instituta vaktsin i
 syvorotok i Ministerstva zdavookhraneniya RSFSR. 2. Rostovskiy
 institut epidemiologii i mikrobiologii (for Kovaleva).
3. Stavropol'skiy institut vaktsin i syvorotok (for Sysoyeva).
4. Kuybyshevskiy institut epidemiologii i mikrobiologii (for
 Zinov'yeva). 5. Saratovskaya gorodskaya sanitarno-epidemiclo-
 gicheskaya stantsiya (for Lyantsman).

RACHKOVSKAYA, Yu.K.

Sensitivity to some antibiotics of Salmonella typhi strains isolated during 1961 - 1963 from patients and bacterial carriers in Rostov-on-Don and Astrakhan. Antibiotiki 10 no. 10:952-954 0 '65. (MIRA 18:12)

1. Rostovskiy nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i gigiyeny. Submitted August 25, 1964.

ROBOTOV, V.T.; NOVITSKIY, M.D.; LITVINETS, I.V.; RACHKOVSKAYA, Yu.N.;
SUKHORUCHKIN, I.S.; NADEZHDINA, A., red.; ~~TELEGINA, T.~~, tekhn.red.

[Building inspection during construction; practical handbook]
Kontrol'nye obmery v stroitel'stve; prakticheskoe posobie. Sost.
kollektivom avtorov pod rukovodstvom V.T.Robotova. Moskva, Gos-
finizdat, 1959. 275 p. (MIRA 13:1)

1. Vsesoyuznyy bank finansirovaniya kapital'nykh vlozheniy (for
Robotov, Novitskiy, Litvinets, Rachkovskaya, Sukhoruchkin).
(Building inspection)

RACHKOVSKIY, A.P.

Evaluation of graduated Pirquet's reaction based on the materials of inspection of some industrial enterprises of Proletariat District of the city of Rostov-on-Don. Sbor. nauch. trud. Rost. gos. med. inst. no.22:20-28 '63. (MIRA 18:7)

1. Iz kafedry epidemiologii Rostovskogo gosudarstvennogo meditsinskogo instituta (zav. - prof. T.D.Yanovich).

RACHKOVSKIY, A.P.

Mortality from tuberculosis in the city of Rostov-on-Don from 1944 to 1961. Sbor. nauch. trud. Rost. gos. med. inst. no.22:67-73 (MIRA 18:7)

Tuberculosis in the city of Rostov-on-Don according to autopsy materials of the First Municipal Hospital and the Department of Pathological Anatomy of the Rostov City Medical Institute. Ibid.:74-77

Rate of tuberculosis infections and morbidity in the city of Rostov-on-Don in the postwar years. Ibid.:78-83 (MIRA 18:7)

1. Iz kafedry epidemiologii Rostovskogo gosudarstvennogo meditsinskogo instituta (zav. - prof. T.D.Yanovich).

YANOVICH, T.D.; KALMYKOVA, G.N.; ALEKSEYEVA, I.K.; RACHKOVSKIY, A.P.;
OSCKINA, L.A.

Study on tuberculosis infection by means of graduated epicutaneous
tuberculin test. Sbor. nauch. trud. Rost. gos. med. inst. no.22:3-
12 '63. (MIRA 18:7)

1. Iz kafedry epidemiologii Rostovskogo gosudarstvennogo meditsinskogo
instituta (zav. - prof. T.D.Yanovich).

NIKONOV, V.B.; NEKRASOVA, S.V.; POLOSUKHINA, N.S.; RACHKOVSEIY, D.N.;
CHUVAYEV, K.K.

Color-luminosity diagram for stars in the vicinity of the
sun. Izv.Krym.astrofiz.obser. 17:42-88 '57.
(MIRA 13:4)

(Stars)

S/712/62/027/000/008/015
A001/A101

AUTHOR: Rachkovskiy, D. N.

TITLE: Magneto-optical effects in spectral lines of sunspots

SOURCE: Akademiya nauk SSSR. Krymskaya astrofizicheskaya observatoriya.
Izvestiya. v. 27, 1962, 148 - 161

TEXT: Up to the present time, the effect of magnetic rotation has not been considered in the theory of spectral lines formation in a sunspot magnetic field. In the present work the author derives radiative transfer equation taking into account the magneto-optical effect. At first he investigates conditions of orthogonality of the fluxes I_+ and I_- which are not, in general case, orthogonal in an anisotropic medium. Next he derives expressions determining the absorption of radiation, and finally the equations of radiative transfer were obtained on assumption that at each point of the absorbing medium exists the local thermodynamical equilibrium. The present theory, which takes into account the effect of magnetic rotation of the polarization plane on the formation of absorption lines does not yield results different from those of V. Unno's theory for the usually adopted models of sunspot fields (uniform). The effect

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Magneto-optical effects in spectral lines of sunspots S/712/62/027/000/008/015
A001/A101

will manifest itself, if the assumption of a uniform field is dropped. In this case, it will be possible to explain the phenomenon, discovered by A. B. Se-vernyy, which consists in the opposite displacement of circular components of the π -component of triplet $\lambda 6302$ relative to the undisplaced position. The existence of the π -component is explained by the presence of the transversal component of magnetic intensity. The total intensity of the lines is not affected by magnetic rotation. There are 4 figures.

SUBMITTED: May 1961

Card 2/2

RACHKOVSKIY, D.N.

Formation of absorption lines in sunspots, taking scattering and
absorption into account. Izv. Krym. astrofiz. observ. 29:97-117
'63. (MIRA 16:10)

ACCESSION NR: AR4039238

S/0269/64/000/004/0028/0028

SOURCE: Ref. zh. Astronomiya, Abs. 4.51.206

AUTHOR: Rachkovskiy, D. N.

TITLE: Theory of formation of absorption lines in a magnetic field;
case of total frequency redistribution of quanta within a line

CITED SOURCE: Izv. Kry*msk. astrofiz. observ., v. 30, 1963, 267-272

TOPIC TAGS: absorption line, resonance absorption line, astronomy,
theoretical astronomy, magnetic field, Milne-Eddington model atmosphere

TRANSLATION: A study has been made of the formation of resonance absorption lines in a magnetic field for a case of total radiation frequency redistribution within a line at the time of an elementary scattering event. The Milne-Eddington atmospheric model is used. A system of two transport equations has been written for determination of radiation intensity in polarized light. A precise analytical solution of these equations is found

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ACCESSION NR: AR4039238

for radiation emerging from the atmosphere. The solution includes certain auxiliary functions determined by a system of integral equations. Bibliography of 6 items. I. M.

DATE ACQ: 12May64

SUB CODE: AS

ENCL: 00

Card 2/2

L 11536-66 EWT(1)/FCC/EWA(h) GW

ACC NR: AR6001126

SOURCE CODE: UR/0269/65/000/009/0024/0024

SOURCE: Ref. zh. *Astronomiya*, Abs. 9.51.227

AUTHOR: Rachkovskiy, D. N.

TITLE: On a theory of the formation of absorption lines in a magnetic field

REFERENCED SOURCE: *Izv. Krymsk. astrofiz. observ.*, v. 33, 1965, 111-117

TOPIC TAGS: atmospheric model, absorption line, absorption coefficient, atmospheric radiation, magnetic field, vector, electronic computer/ Minsk 1 electronic computer

TRANSLATION: The results of numerical calculations with the "Minsk-1" electronic computer of the polarization of radiation in a line formed in transitions with a nonsplit upper layer are given. A solution of the radiation-transfer equations for this case, obtained earlier by the author of this article, is used (RZhAstr, 1964, 4.51.206). A Milne-Eddington model of the atmosphere with a constant (in depth) ratio of the linear absorption coefficient to the absorption coefficient in the continuous spectrum and a constant magnetic-field vector is used to solve the problem. The results are presented graphically and are compared with those obtained by other authors. Bibliography of 5 titles. I. M.

SUB CODE: 03

Cord 1/1

UDC: 523.035.18

RACHKOVSKIY, N. ^G polkovnik, dotsent, kand.tekhn.nauk

Course measurement. Av.i kosm. 45 no.5:43-48 My '63.
(MIRA 16:5)
(Navigation (Aeronautics))

RACHKOVSKIY, N.G., pokovnik, dotsent, kand.tekhn.nauk

Flights with complex navigation systems. Mor. sbor. 47 no.11:36-
44 N '63. (MIRA 16:11)

RACHKOVSKIY, N.G., dotsent, kand.tekhn.nauk, polkovnik

Characteristics of the use of complex navigation systems. Mor.
sbor. 48 no.1:54-58 Ja '65. (MIRA 18:4)

ACC NR: AM5028928

Monograph

UR/

Rachkovskiy, Nikolay Georgiyevich

Principles of the theory of automated air navigation (Osnovy teorii avtomatizirovannogo samoletovozhdeniya) Moscow, Izd-vo "Mashinostroyeniye", 1966. 126 p. illus., biblio. Errata slip inserted. 2600 copies printed.

TOPIC TAGS: navigation system, navigation equipment, automatic navigation, navigator training, aircraft flight instrument

PURPOSE AND COVERAGE: This book is intended for engineers working in the design and operation of automated navigational systems; it can also be useful to students in the field of navigation at higher technical education institutions. The main topic of the book is the theory of automatic aerial navigation, its techniques, and methods for solving navigation problems. Navigation systems and their application to high-speed modern aircraft are discussed in theory and practice, and preflight preparations, route plots, location of reference points, and the computation system used are analyzed. This book has been reviewed by V. P. Tokarev. There are 5 references, 3 of which are Soviet.

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UDC: 629.014.69-506.4.001

ACC NR: AM6028928

TABLE OF CONTENTS (Abridged):

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Ch. I. General information about complex navigation systems -- 5

Ch. II. Route plot -- 34

Ch. III. Orthodromic plot of coordinate system -- 50

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taking the earth's contraction into consideration -- 118

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SUB CODE: 17, 01/

SUBM DATE: 01Mar66/

ORIG REF: 003/ OTH REF: 002/

Card 2/2

RACHKOVSKIY, S. YA.

PA 28T66

USSR/Metals, Nonferrous
Metallurgy

Mar/Apr 1967

"Methods of Preliminary Determination of Cost of Non-ferrous Metals," S. Ya. Rachkovskiy, MinTsvetMet-Zoloto, 5 pp

"Tsvetnye Metally" No 2

A formula is given for figuring the cost of production of nonferrous metals in advance of production from data on the cost of mining the ore, transportation, concentration, etc.

BS

28T66

Yakovlev, Boris Yakovlevich

3/5
703.372
.R1

Ekonomika Gornorudnoy Promyshlennosti SSR
(Economics of the Mining Industry in USSR)

Moskva, Metallurgizdat, 1965.

378 P. Diagrams., Tables.

Bibliography: P. (377)-378

RACHOVSKIY, S. Ya., GOL'GRAYKH, S. Ya., MAINOVA, R. D. and PERVUSHIN, S.A.

"The Economics of Nonferrous Metallurgy in the USSR," Ekonomika Tsvetnoy Metallurgii SSSR, pp. 9-323, Moscow, 1956

Translation U-3, 053,295, 28 Jan 57

RACHKOVSKIY, S.Ya.

Some economic aspects of the nonferrous metallurgy. TSvet.met.29 no.9:
7-10 S '56. (MLRA 9:10)
(Nonferrous metal industries)

RACHKOVSKIY S. Ya.

137-58-5-9261

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 69 (USSR)

AUTHORS: Drozdova, A.N., Rachkovskiy, S. Ya.

TITLE: Determination of Production Costs in Processes of Complex Extraction of Components From Raw Materials (Opredeleniye sebestoimosti pri kompleksnom izvlechenii komponentov iz syr'ya)

PERIODICAL: Sb. nauchn. tr. Mosk. in-t tsvetn. met. i zolota i VNITO tsvetn. metallurgii, 1957, Nr 26, pp 310-318

ABSTRACT: When computing the cost of various products under conditions of complex utilization of raw materials, it is recommended that the manufacturing expenses be made proportional to the cost of the various metals contained in the raw material and that the weighted proportion of extraction of these metals be taken into account. If individual stages of technological processing of complex raw material yield new complex intermediate products containing a number of components, then the total cost of the raw material and of its processing must be distributed among the heterogeneous components that have been extracted into the various products as well as among those which are homogeneous.

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137-58-5-9261

Determination of Production Costs (cont.)

cost of the metals computed on the basis of their price differentials. The portion of metal which constitutes a finished product must be appraised at a wholesale cost, whereas the portion of metal contained in a product from which finished metal can be obtained only after additional expenditures is to be evaluated at prices below the wholesale level. In order to simplify calculations it is recommended that the method of listing differential prices be used.

V. B.

1. Ores--Processing
2. Ores--Costs
3. Industrial plants--Economic aspects

Card 2/2

SOV/137-58-7-14548

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 87 (USSR)

AUTHORS: Klisenok, V.M., Rachkovskiy, S.Ya.

TITLE: Methods of Improving the Complex Utilization of the Copper
Pyrite Ores of the Urals (Puti povysheniya kompleksnogo ispol'-
zovaniya mednokolchedannykh rud Urala)

PERIODICAL: Sb. nauchn. tr. Mosk. in-t tsvetn. met. i zolota, 1957, Nr
27, pp 258-267

ABSTRACT: Bibliographic entry

1. Copper ores--Processing

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SOV-127-58-9-2/27

AUTHORS: Rachkovskiy, S.Ya., Doctor of Economical Sciences, Sindarovskaya, N.N. and Ul'yanova, Ye.T., Engineers

TITLE: Economic Appraisal of Impairment from Loss and Impoverishment of Iron Ores of the Krivoy Rog Basin (Ekonomicheskaya otsenka ushcherba ot poter' i razubozhivaniya zheleznykh rud Krivorozhskogo basseyna)

PERIODICAL: Gornyy zhurnal, 1958, Nr 8, pp 12-17 (USSR)

ABSTRACT: The head mine surveyor of the Trest Leninruda (The Leninruda Trust) F.Ye. Proshin reported to the Mining Industry Institute of the AS USSR that in the period from October 1948 to the end of 1955, 151,066,200 tons of iron ore (139,273,100 tons with industrial iron content and 11,793,100 tons of impoverishing rocks) were extracted in all mines of the Krivoy Rog basin. As the accounted-for ore reserves amounted to 165,360,700 tons, the actual losses in iron ore amounted to 26,087,600 tons or 15.8% of the entire reserves. Detailed study of reports from different mines of the basin showed that broken-down but undelivered ore forms the largest part of the losses in the underground works. The authors also devised tables in which damage from losses and impoverishment

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SOV-127-58-8-2/27

Economic Appraisal of Impairment from Loss and Impoverishment of Iron
Ores of the Krivoy Rog Basin

is divided and calculated in connection with every processing operation. (Tables 1 to 8). They estimated the damage from losses and impoverishment of ores to be 810 million rubles a year. To reduce the damage, they recommend the delivery of all broken-down ore, and at the same time, to divide the delivery into two parts. One of relatively pure ore and the second of the impoverished ore for concentration. They also recommend the speedy realization of the reconstruction of the basin and the construction of new concentration plants. There are 8 tables and 1 graph.

ASSOCIATION: Institut gornogo dela AN SSSR. (The Mining Industry Institute of the AS USSR)

1. Iron ores--Economic aspects

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SOV/127-58-12-2/26

AUTHORS: Rachkovskiy, S.Ya., Doctor of Economic Sciences, Professor;
Ginzburg, Ye. G. and Shabel'nikov, G.P., Candidates of
Technical Sciences

TITLE: The Fundamentals of the Evaluation of Mineral Deposits and
Mines (Osnovy otsenki mestorozhdeniy poleznykh iskopayemykh
i rudnikov)

PERIODICAL: Gornyy zhurnal, 1958, Nr 12, pp 3 - 10 (USSR)

ABSTRACT: This is a continuation of the discussion of the article
under the same title published by K.L. Pozharitskiy in
Nr 9 (1957) of this periodical. The three authors express
their opinion on this subject. There are 10 references.

ASSOCIATION: Moskovskiy institut tsvetnykh metallov i zolota (The Moscow
Institute of Non-ferrous Metals and Gold). Permskiy Gornyy
institut (The Perm' Mining Institute). VNIItsvetmet (The
VNIItsvetmet)

Card 1/1

RACHKOVSKIY, S.Ya.

Basis for an economic evaluation of mineral deposits in conditions of a socialist economy. Izv.vys.ucheb.zav.; tsvet.met.
2 no.6:185-194 '59. (MIRA 13:4)

1. Krasnoyarskiy institut tsvetnykh metallov, kafedra ekonomiki promyshlennosti.
(Mines and mineral deposits)

RACHKOVSKIY, S Ya.

PHASE I BOOK EXPLOITATION

SOV/4072

Pervushin, Sergey Alekseyevich, Solomon Yakovlevich Rachkovskiy, Samuil Yakovlevich Gol'braykh, Revekka Davydovna Malinova, and Tat'yana Dmitriyevna Bykova.

Ekonomika tsvetnoy metallurgii SSSR (Economic Aspects of Nonferrous Metallurgy of the USSR). Moscow, Metallurgizdat, 1960. 516 p. Errata slip inserted. 3,500 copies printed.

Eds.: S. A. Pervushin and S. Ya. Rachkovskiy; Ed. of Publishing House: R. F. Avrutskaya; Tech. Ed.: Ye. B. Vaynshteyn.

PURPOSE: This textbook is for students of the special course "Economics and Organization of the Metal Industry" at Institutes of Higher Education. In addition, it may be useful to workers in scientific research and planning institutes, and also to personnel working in the nonferrous metal industry.

COVERAGE: The book discusses the role of the nonferrous metal industry as one of the most important branches of Soviet national economy, its interrelations with other branches of industry, the basic laws of its development, its patterns of consumption, and the fields of application of various nonferrous metals. Also discussed are the basic tendencies of development of nonferrous metallurgy in capitalistic countries and in peoples' democracies. The book

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Economic Aspects (Cont.)

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deals with fundamental economic problems of the nonferrous metal industry, its planning, technical progress and technological developmental trends, the raw-material base of the industry, the distribution of operating plants and plants under construction, basic capital assets and turnover assets, personnel, the operating efficiency of plants, the manufacturing cost, and the supply of technical materials. Particular attention is paid to problems of capital construction and the planning of plants, to methods for determining the efficiency of capital construction, and to the introduction of novel techniques. The authors thank A. Kh. Benuni, Professor at the Ural (Sverdlovsk) Polytechnical Institute, and Docent M. S. Golynskiy, specialist in the State Planning Committee of the Council of Ministers of the USSR. There are 33 references, all Soviet.

TABLE OF CONTENTS:

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ASTAKHOV, A.; ~~RACHKOVSKIY, S.~~; RUDINKIN, Yu.

Time consumed by underground mining operations and ways to
reduce it. Biul. nauch. inform.: trud i zar. plata 3 no. 11:10-
14 '60. (MIRA 14:1)
(Krivoy Rog Basin—Iron mines and mining)

ZVORYKIN, Anatoliy Alekseyevich , prof.; KIRZHNER, David Mironovich;
KUNDIN, Mikhail Borisovich, inzh.; RACHKOVSKIY, S.Ya., prof., otv.
red.; ASTAKHOV, A.S., kand. ekonom. nauk, otv. red.; GOLUBYATNIKOVA,
G.S., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.

[Economics of the mining industry] Ekonomika gornoj promyshlennosti.
Izd.3., perer., dop. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
gornomu delu, 1961. 439 p. (MIRA 14:9)
(Mineral industries)

S/035/62/000/010/027/128
A001/A101

AUTHOR: Rachkovskiy, D. N.

TITLE: On origination of absorption lines in a magnetic field.
A remark to publications by V. Unno and V. Ye. Stepanov

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 1962, 47 - 48,
abstract 10A344 ("Izv. Krymsk. astrofiz. observ.", 1961, v. 25,
277 - 280, English summary)

TEXT: The form of transport equations for absorption lines originated in a magnetic field is different in papers by V. Ye. Stepanov and Unno. Stepanov's equations yield decomposition of the absorbed and emitted energies into mutually-orthogonal components. Unno's equations yield Stokes parameters for the absorbed and emitted energies. It is shown that Stepanov's equations follow from Unno's equations. In case when absorbed radiation is not polarized, Stepanov's equations should be preferred, since they coincide formally with equations of non-polarized radiation transport, and the known solution methods can be employed for them. In the opposite case (partially polarized incident

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On origination of absorption lines in...

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radiation), the system of Stepanov's two equations should be complemented with two more equations. Then the new system will be again simpler than the system of Unno's equations. There are 5 references.

R. Teplitskaya

[Abstracter's note: Complete translation]

Card 2/2

S/035/62/000/009/008/060
A001/A101

9.9000

AUTHOR: Rachkovskiy, D. N.

TITLE: The system of equations for radiation transport in the presence of a magnetic field

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 27, abstract 9A222 ("Izv. Krymsk. astrofiz. observ.", 1961, v. 26, 63 - 73, English summary)

TEXT: The author derived a system of equations for the transport of radiation in the presence of a magnetic field. Polarized light was represented in terms of parameters which are a linear combination of Stokes' parameters. In magneto-active media propagation of plane waves can be reduced to propagation of two independent normal components of the flux. The transport equation are compiled for the parameters corresponding to normal components of the flux, since in this case the equations look most simply. It is shown that the equation system obtained is equivalent to the system proposed earlier by Unno. There are 7 references.

I. Minin

[Abstracter's note: Complete translation]

Card 1/1

RACHKOVSKIY, S.Ya.

Economic evaluation of damage from losses and depletion of
ores. Izv. vys. ucheb. zav.; tsvet. met. 4 no.5:186-193 '61.

(MIRA 14:10)

1. Krasnoyarskiy institut tsvetnykh metallov, kafedra ekonomiki
promyshlennosti.

(Ores--Sampling and estimation)

RACHKOVSKIY, S.Ya.; BARSUKOV, F.A.

Analysis of the efficiency of capital investments in enterprises
of the Krivoy Rog Basin and the Kursk Magnetic Anomaly. Gor.
zhur. no.8:9-12 Ag '62. (MIRA 15:8)
(Krivoy Rog Basin--Iron mines and mining)
(Kursk Magnetic Anomaly--Iron mines and mining)

S/712/62/028/000/013/020
EO10/E401

AUTHOR: Rachkovskiy, D.N.

TITLE: Effects of magnetic rotation in spectral lines

SOURCE: Akademiya nauk SSSR. Krymskaya astrofizicheskaya
observatoriya. Izvestiya. v.28. 1962. 259-270

TEXT: The author considers radiative transfer equations for the Milne-Eddington model of atmosphere with pure absorption. The equations derived by him previously (Izv. Krymskoy astrofiz. obs., v.27, 1962. 148) are integrated taking into account anomalous dispersion and compared with analogous expressions derived by W. Unno. In order to characterize polarization of radiation, generalized Stokes parameters, I_+ , I_- , V_+ , V_- are introduced and, in terms of these intensities, author's radiative transfer equations are presented in the following form

$$\begin{aligned} \cos \theta \frac{d}{dr} I_+ &= (a_+ + 1) I_+ + U_+ d - (b_+ + 1) \frac{B(T)}{2}, \\ \cos \theta \frac{d}{dr} I_- &= (a_- + 1) I_- - U_- d - (b_- + 1) \frac{B(T)}{2}, \end{aligned} \quad (19)$$

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Effects of magnetic ...

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EGIC/E401

$$\begin{aligned}\cos \theta \frac{d}{dt} V_+ &= \left(1 + \frac{a_+ + a_-}{2}\right) V_+ - cU_+, \\ \cos \theta \frac{d}{dt} U_+ &= (I_- - I_+) 2d + cV_+ + \left(1 + \frac{a_+ + a_-}{2}\right) U_+.\end{aligned}\quad (19)$$

The notation is the same as in the abovementioned article by the author. The relation between the intensity of a magnetic field H and v_H , which denotes the shift of the σ -component relative to the π -component of the normal Zeeman effect, looks as follows

$$H = 2.2 \times 10^{12} \frac{v_H \Delta \lambda_D}{\lambda^2 g}$$

Assuming the values of v_H to be 0.6 and 1.0 (to which correspond respectively the H -values 1800 and 3000 gauss) the author calculates the effect of magnetic rotation on the line depth and concludes that the latter is not affected by magnetic rotation. Other parameters of polarization are more dependent on magnetic rotation but the effects do not exceed 20%. It has been
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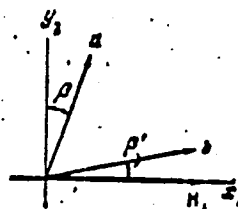
S/712/62/028/000/013/020
EC10/E4C1

Effects of magnetic ...

found that rotation of the polarization plane of radiation takes place as a result of anomalous dispersion and magnetic field. This effect is frequency-dependent. The rotation depends also on the distance to the line center (the angle may attain 20° between the center and the wings of the line) and has the opposite sense for the center and the wings (Fig:6). To observe this effect, the accuracy of measuring the line contours should be of the order of 1% or higher, which can be reached by the photoelectrical method. The observation of this effect may furnish an important information on the structure of the magnetic field and atmosphere of sunspots. A.B. Severnyy and V.Ye. Stepanov participated in discussing the present investigation. There are 7 figures.

SUBMITTED: December 20, 1961

Fig.6. The relative position of polarization planes of radiation with respect to the projection of the magnetic field vector onto the mapping plane of H_\perp . Direction a corresponds to the line center b - to the wing.



Card 3/3

RACHKOVSKIY, S.Ya.

Determination of production costs in the complex utilization of raw materials. Izv. vyi. ucheb. zav.; tsvet. met. 5 no.5:161-164 '62.
(MIRA 15:10)

1. Moskovskiy institut stali, kafedra ekonomiki i organizatsii
proizvodstva.

(Nonferrous metals---Costs)

MININ, G., I.B., KACHKOVSKIY, S.Ya.

Considering the time of construction in comparing capital investment variants. Izv. vys. ucheb. zav.; usvet. met. 6 no.3:157-164 1963.

(MIRA 16:9)

I. Moskovskiy institut stali i splavov, kafedra ekonomiki i organizatsii proizvodstva.

(Capital investments) (Metallurgical plants)

RACHKOVSKIY, S.Ya.; BAYMURATOV, U.B.

Review of N.S. Satybaldin's book "Economic efficiency of new
technological processes in ferrous metallurgy." TSvet. met.
36 no.6:94-96 Je '63. (MIRA 16:7)

(Nonferrous metals--Metallurgy)

PARVUCHIN, Sergey Alekseyevich, prof.; RACHKOVSKIY, Solomon
Yakovlevich, prof.; BYKOVA, Tatyana Dmitriyevna, dots.;
GOL'BERAYKH, Samuil Yakovlevich, dots.; MALINOVA, Nevezka
Davidovna, dots.

[Economics of nonferrous metallurgy in the U.S.S.R.] Eko-
nomika tsvetnoi metallurgii SSSR. Izd. 2., dop. i perer.
Moskva, Metallurgiya, 1964. 412 p. (MLA 18:1)

BARSUKOV, Fedor Aleksandrovich; RACHKOVSKIY, Solomon Yakovlevich; NAGIBIN, Pavel Vasil'yevich, kand.ekon.nauk, retsenzent; ~~VEREMEI~~, Yelena Nikolayevna, retsenzent; REYGIN, Lazar' Moiseyevich, otv. red.

[Economic efficiency of capital investments in iron mining]
Ekonomicheskaya effektivnost' kapital'nykh vlozhenii v zhe-
lezorudnuyu promyshlennost'. Moskva, Izd-vo "Nedra," 1964.
110 p. (MIRA 17:5)

RACHKOVSKAYA, L. I. ~~Ekonomika gornorudnoi~~

[Economics of the mining industry] Ekonomika gornorudnoi
promyshlennosti. Moskva, Nedra, 1965. 314 p.
(MIRA 18:8)

RACHKOVSKIY, Ya. V. Cand Tech Sci -- (diss) "Swelling Pressure
of the Wood of ^{Pine}~~Pine~~ ^{and}~~and~~ ^{Other}~~Some~~ Other ^{species}~~Trees~~." Len, 1957. 14 pp 20 cm.
(Min of Higher Education USSR, Len Order of Lenin Forestry
Engineering Academy im S. M. Kirov), 100 copies (KL, 26-57, 109)

LEVNICHAK, M.; RACHKOVSKIY, Ya. V

Physical and mechanical characteristics of hardboard made with
flax and hemp tow. Der.prom. 11 no.10:27-28 0 '62.
(MIRA 15:9)

(Hardboard)

RACHKOVSKIY, Yan [Raczkowski, Jan], general divizii, pilot

Polish aviation today. Av. i kosm. 47 no. 7:88-90 31 '65.

(MIRA 18:6)

1. Glavnyy inspektor pol'skoy aviatsii.

RACHKOWANE, B. A.

"Sur l'application de la methode cyanhydrine pour la synthese des alcalmino-acides."
Kiprianow, A. I. et Rachkowane, B. A. (p. 1026)

SO: Journal of General Chemistry (Zhurnal Obsheei Khimii). 1937, Volume 7, No. 6.

8 (0)

SOV/112-57-5-9789

Translation from: Referativnyy zhurnal. Elektrotehnika, 1957, Nr 5,
pp 20-21 (USSR)

AUTHOR: Berman, M. L., Rachkulik, V. I.

TITLE: Application of Luminescent Analysis for Checking Rubber Mixtures in
Cable Production (Primeneniye lyuminesstsentnogo analiza dlya kontrolya
rezinovykh smesey v kabel'nom proizvodstve)

PERIODICAL: Inform.-tekhn. ob. M-vo elektrotekhn. prom-sti SSSR, 1956,
Nr 10, pp 31-37.

ABSTRACT: Applicability of luminescent analysis in a filtered ultraviolet light
(from a mercury-quartz PRK-4 burner and a UFS-3 light filter) to a quick
checking of rubber mixtures and ingredients has been studied. Ingredients and
rubbers of similar appearance can easily be identified by their luminescence
colors. Thus, chemical chalk has a light-blue luminescent color, ground
chalk a light-brown color, captax is red, natural rubber is light brown,

Card 1/2

SOV/112-57-5-9789

Application of Luminescent Analysis for Checking Rubber Mixtures in Cable

"nairit" is azure, etc. Buna-S has an azure luminescence that turns to blue, and later to brown, as the time of thermal treatment increases. In some cases, direct observation in the ultraviolet light does not permit reliable identification; a more precise result can be obtained under the action of some chemical reagent. Thus, magnesium oxide and DFG give off similar azure or bluish luminescence; however, MgO can be discerned from DFG by the influence of 25% aqueous solution of NaOH; under ultraviolet illumination, the MgO emits a bright yellowish-green luminescence while DFG does not, etc. Results of the above study enable one to presume that the luminescent analysis can find wide usage in the cable engineering. Tashkent Branch of NIIKP.

A.O.M.

Card 2/2

32-7-23/49

AUTHORS: Rachkulik, V.Y. , Berman, M.L., Balashova, N.N.

TITLE: Short Reports
(Korotkiye soobshcheniya)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol.23, Nr 7, pp. 829 - 829 (USSR)

ABSTRACT: On this basis of the investigation of the luminescence properties of rubber mixtures and - ingredients used in the cable industry the advantages offered by the method of luminescence for an accelerated control of the quality of rubber mixtures and ingredients are determined. By means of this method it is possible to determine the purity and quality of the component of rubber admixtures and to detect serious faults existing in these mixtures; furthermore, it is possible to sort out rubber and rubber substances of apparently similar character. N.N. Balashova developed a method for the determination of the strength of galvanically applied silver coatings. A solution of 10 g chrome anhydride in 1 litre 0,1-h sulphuric acid was used for the coating of copper, brass, iron, nickel, and other metals with silver without any destructive effects.

Card 1/2

32-7-23/49

Short Reports

ASSOCIATION: **Tashkent Branch of the Cable Industry Institute**
(Tashkentskoye otdeleniye instituta kabel'noy promyshlennosti)
Scientific Research Institute for the Recording of Sound
(Nauchno-issledovatel'skiy institut zvukozapisi)

AVAILABLE: Library of Congress

Card 2/2

SUSLOV, V.F.; NOZDRYUKHIN, V.K.; KOROLEV, A.I.; RACHKULIK, V.I.; AVSYUK, G.A., otv. red.; PERVAKOV, I.L., red.; CHERNYKH, M.P., mlad. red.; VILENSKAYA, E.N., tekhn. red.

[Drifting above the clouds; documentary narrative] Zaoblachnaia dreifuishchaia; dokumental'naia povest'. Moskva, Gos. izd-vo geogr. lit-ry, 1961. 252 p.

(MIRA 14:11)

1. Chlen-korrespondent AN SSSR (for Avsyuk).
(Fedchenko Glacier) (Glaciological research)

NOZDRYUKHIN, V.K.; KREYTER, A.A.; KLYAVIN, V.; ELIZOV, I.; SUSLOV, V.F.;
PAK, V.A., kand. geol.-min. nauk; YAKOVLEV, V.N.; LESNIK, Yu.N.;
KOROLEV, I.A.; RACHKULIK, V.I.; TACHKOVA, N.A.; KOLESHNIKOVA,
V.N., kand. fiz.-mat. nauk; NASYROV, M.; SHUL'TS, V.L., doktor
geolgr. nauk, prof., otv. red.; GAYSINSKAYA, I., red.; MASHARIFOVA, D.,
red.; GOR'KOVAIA, Z.P., tekhn. red.

[Fedchenko Glacier] Lednik Fedchenko. Tashkent, Izd-vo Akad. nauk
Uzbecksok SSR. Vol.1. 1962. 247 p. (MIRA 15:8)

1. Akademiya nauk Uzbecksokoy SSR, Tashkent. Institut matematiki.
(Fedchenko Glacier)

RACHKULIK, V.I.

Methodology of measuring solar radiation in snow. Izv. AN
Uz. SSSR. Ser. fiz. mat.nauk 6 no.2:28-33 '62. (MIRA 15:9)

1. Institut matematiki AN UzSSR imeni V.I.Romanovskogo.
(Solar radiation) (Snow)

RACHKULIK, V.I.

Measurement of solar radiation in snow. Dokl. AN Uz. SSR 20 no.1:
11-14 '63. (MIRA 16:6)

1. Institut matematiki im. V.I.Romanovskogo AN Uzbekskoy SSR.
Predstavleno chlenom-korrespondentom AN Uzbekskoy SSR R.V.Gubinyam.
(Solar radiation--Observations)

L 55889-65 EWT(1)/EWG(v)/FCC/EEC(t) Po-5/Pae-2/P1-4 GW

ACCESSION-NR: AR5014438

UR/0169/65/000/005/B030/B030
551.521

SOURCE: Ref. zh. Geofizika, abs. 5B205

35
B

AUTHOR: Rachkalik, V.I.

TITLE: Some problems in the multiple reflection of radiation in a plane layer of a turbid medium.

CITED SOURCE: Tr. In-ta matem. AN UzSSR, vyp. 1963, 133-145

TOPIC TAGS: turbid medium, atmospheric optics, reflected radiation, radiation transmission, albedo, radiation absorption

TRANSLATION: On the basis of elementary balance relations, the author has computed the radiation fluxes established within a plane layer of a turbid medium. It is postulated that the "upward" reflection and transmission of radiation by any layer are equal to the "downward" reflection and transmission, respectively. It is assumed that the albedo and absorption of thin layers of the medium are proportional to their thickness. The radiation fluxes are computed in a layer of finite thickness with and without an underlaying surface present and also in a layer of unlimited thickness. D. Romanov.

Card 1/2

L 5588965

ACCESSION NR: AR5014438

SUB CODE: OP, ES

ENCL: 00

Card

csc
2/2

L 60996-65 EWT(1)/EWG(v)/FCG Pe-5/Pi-4 GW
ACCESSION NR: AP5018703

UR/0050/65/000/008/0007/0012
630.551.521

AUTHORS: Belyayeva, I. P.⁴⁴ Rachkulik, V. I.⁴⁴ Sitnikova, M. V.⁴⁴

50
49
B

TITLE: The connection between the coefficient of brightness in a soil-vegetation system and the amount of vegetation

SOURCE: Meteorologiya i gidrologiya, no. 8, 1965, 7-12

TOPIC TAGS: brightness, soil¹², photometry, reflected radiation⁴⁴

ABSTRACT: An attempt has been made to discover the relationship between the coefficient of brightness in a soil-vegetation system and the amount of vegetation, considering the optical properties of the components of the system. The coefficient of brightness was measured by means of a tubular photometer with a view angle of 35° . Measurements were made normal to the surface, and sand, spread in an even layer on plywood, was used as a standard. The procedure involved measurement of the brightness of the standard, then the brightness of a selected segment of soil-vegetation, and then the standard again, repeated 3-4 times. The plant mass was then removed and weighed accurately (accuracy of ± 0.1 g). Types of vegetation included desert plants, pasture plants, wheat, and cotton (in both

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L 60996-65

ACCESSION NR: AP5018703

green and leafless states). It was found that the coefficient of brightness depends on amount of green material. In the soil-grass system, the coefficient of brightness depends little on the height of the sun from 28 to 68°. When the amount of green material is slight (up to 2000-2500 kg/hectare), the coefficient of brightness changes almost linearly with increase in green material. With further increase in green material the linear relation is disturbed, and, beginning at 5500-6000 kg/hectare, the coefficient remains practically constant for all amounts. For raw cotton, the coefficient increases linearly with increase in cotton from 400 to 3600 kg/hectare. The coefficient is not affected by the amount of cotton for amounts less than 400 kg/hectare. When the difference in reflecting properties between soil and the particular vegetation is rather large, the connection between coefficient of brightness and amount of vegetation may be satisfactorily expressed by

$$R(m, p) = \frac{R(\infty) [R(\infty) R(0) - 1] + [R(\infty) - R(0)] e^{-\alpha m}}{[R(\infty) R(0) - 1] + R(\infty) [R(\infty) - R(0)] e^{-\alpha m}}$$

where m is the amount of vegetation per unit area, R(0) is the reflectance of the soil, R(∞) is the reflectance of the plant cover, α is a constant characterizing

Card 2/3

L 60996-65

ACCESSION NR: AP5018703

the particular kind of vegetation, and

$$E = \frac{1 - R^2(\infty)}{R(\infty)}$$

Orig. art. has: 3 figures, 4 tables, and 2 equations.

ASSOCIATION: Sredneaziatskiy nauchno-issledovatel'skiy gidrometeorologicheskii
institut (Central Asian Scientific Research Hydrometeorological Institute)

SUBMITTED: 09Apr65

ENCL: 00

SUB CODE: 44

NO REF SOV: 010

OTHER: 000

llc
Card 3/3

RACHKULIK, V.I.

Some characteristics of the methodology of measuring solar
radiation in the snow cover. Meteor. issl. no.9:107-114 '65.
(MIRA 19:1)

JANKOWIAK, Jozef; BISKUPSKA, Grazyna; DURKALEC, Jerzy; GORNIOK, Alfred;
KUHN, Maria; RACHLEWICZ, Janusz; TYSPER, Zofia; WOJTCZAK, Andrzej

Effects of thermal balneological stimuli on the water metabolism of
the body. Polskie arch. med. wewn. 28 no.4:519-524 1958.

1. Z Instytutu Balneoklimatycznego w Poznaniu Dyrektor: doc. dr med.
J. Jankowiak, i z II Kliniki Chorob Wewnętrznych A.M. w Poznaniu
Kierownik: prof. dr med. J. Roguski. Adres autora; Poznan, Slowackiego
8/10 Instytut Balneoklimatyczny.

(BODY FLUIDS,

eff. of thermal baths on water-electrolyte metabolism
(Pol))

(HEAT, eff.

thermal baths on water-electrolyte metab. (Pol))

(BALNEOLOGY,

eff. of thermal baths on water-electrolyte metab. (Pol))

HRYNIEWIECKI, Lech; HASIK, Jan; RACHLEWICZ, Janusz; POGONZALY, Krystyna;
BURZYNSKA, Maria

Amino nitrogen concentration in the blood serum after the ingestion
of some foods in normal subjects and in patients with gastric and
duodenal ulcer. Polskie arch. med. wewn. 32 no.4:319-330 '62.

1. Z Wojewodzkiego Ośrodka Dietetycznego przy II Klinice Chorob
Wewnętrznych AM w Poznaniu Kierownik: prof. dr med. J. Moguski.
(NITROGEN blood) (PEPTIC ULCER physiol)
(FOOD)

RACHMAN, V.I.; ZLOTNIKOVA, S.V.

Clinical significance of determination of antianemic factors in gastric secretion. Klin.med., Moskva no.4:55-58 Ap '50.(CML 19:3)

1. Of the First Therapeutic Clinic TsIU and the Laboratory (Head -- Docent Ye.A.Kost) of the Clinical Order of Lenin Hospital Imeni S.P.Botkin.

POLAND/Chemical Technology. Chemical Products and Their Application.
Food Industry.

H-28

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 16018.

Author : Rachmankulow R. G., Falunina Z. F.

Inst :

Title : Effect of Enzymatic Preparations on Stale-Drying of Bread.

Orig Pub: Przegl. piekarn. cukiern., 1957, 5, No 8, 7-8.

Abstract: A translation. See RZhKhim, 1957, 59516.

Card : 1/1

RODIN, V. V.; KIRILICH, R.

New research into the influence of forests on precipitation. Tr. from the Russian. p. 52. (Les Vol. 3 (i.e. 12) no. 1, Jan. 1956 Bratislava)

53: Monthly List of East European Accession (MEAL) 12, Vol. 6, no. 7, July 1957. Uncl.

RACHMUTH, I.; BATI, I.

Some problems of labor productivity. Probleme econ 14 no.11:122-134
N '61.

1. Membru corespondent al Academiei R.P.R., membru al Colegiului de
redactie, "Probleme economice" (for Rachmuth).

RACHMUTH, I.; DUMITRIU, D.

Creation and development of the technical and material basis of socialism and aspects of the improvement of the production relations. Probleme econ 15 no.12:48-51 D '62.

1. Membru corespondent al Academiei R.P.R. (for Rachmuth).

RACHMUTH, I.

Importance of development rates for the equalization of economic levels of the socialist countries. Probleme econ 16 no.7: 3-13 JI '63.

1. Membru corespondent al Academiei R.P.R.

RACHMUTH, I.

Some aspects of the problem of economic level equalization of
socialist countries. Probleme econ 17 no. 4:Supplement:12-23
Ap '64.

1. Corresponding Member of the Rumanian Academy.

RACHMUTH, I.

Complete and definitive victory of socialism. Probleme econ
17 no.8:48-58 Ag '64.

1. Corresponding Member of the Rumanian Academy.

MEMORANDUM FOR:

Some aspects of the law of value operation on the international
scale. The above is from IC No. 93-11, 8, 1964.

1. Corresponding Member of the Romanian Academy.

RACHNICEKI, Tadeusz, mgr. inż.; SOKULSKI, Roman. mgr. inż.

Inserting steel lining into walls with hydraulic packing.
Wiadom gorn 15 no.10:305-308 0'64

RACHNITSKY, D. I. and STEKOLSHCHIKOV, P. I.

"The ribbon-forming mechanism of the new series of combing and carding machines of the VGCH brand," published by State Publishing House of Light Industry, page 18.

SO: Textile Industry, Moscow 1955.

L 32703-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD/DJ

ACC NR: AP6014424

SOURCE CODE: UR/0381/65/000/005/0057/0061

36
B

AUTHORS: Rachok, A. Ya.; Levitin, V. V.; Kovalenko, N. K.

ORG: Ukrainian Scientific Research Institute for Special Steels, Alloys and Ferro Alloys, Zaporozhe (Ukrainskiy nauchno-issledovatel'skiy institut spetsial'nykh staley, splavov i ferrosplavov)

TITLE: The influence of the depth of the decarbonized layer in ball-bearing steel on the total resistance of an induction coil

SOURCE: Defektoskopiya, no. 5, 1965, 57-61

TOPIC TAGS: steel, alloy steel, metallurgic testing machine / ShKh15 steel

ABSTRACT: The effect of the depth of the decarbonized layer in objects made from cold-drawn ShKh15 steel on the total resistance of an induction coil was determined. A schematic of the experimental installation is presented. The experimental results are presented graphically (see Fig. 1). It is shown that the depth of the decarbonized layer in steels may be successfully controlled by the method of eddy currents. Control was performed in the calibration shop of Dneprospetsstal' factory with V. M. Bolotnyy and S. Z. Yefremenko participating.

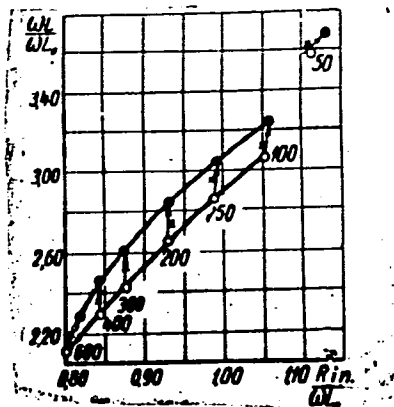
UDC: 620.79.(14:6)

Card 1/2

L 32703-66

ACC NR: AP6014424

Fig. 1. Influence of the depth of the decarbonized layer on the total resistance of the measuring induction coil for the frequency range 50--600 cycles. Depth of decarbonization: open circles - 0; crosses - 0.09 mm; black circles - 0.21 mm. $\omega L / \omega L_0$ - total reactive resistance; $R_{in} / \omega L_0$ contributed active resistance by the coil.



Orig. art. has: 1 table and 3 graphs.

SUB CODE: 11, 13/ SUBM DATE: 26Jun65/ ORIG REF: 002

Card 2/2 BLG

RACHOK, V.V.; FAGAN, D.G.

Simplifying the adjustment of machine tools. Mashinostroitel'
no.11:11 N '61. (MIRA 14:11)
(Orshansk--Machine-shop practice)

RACHOK, V.V.

Promote the introduction of standards in the machinery industry
in every possible way. Standartizatsia 27 no.4:56-57 Ap '63.
(MIRA 16:4)
(Machinery industry--Standards)

STOROZHEV, V.V.; RACHOK, V.V.; KOMISSAROV, A.I.

Wear of rotating shuttles. Shvein.prom. no.5:23-25 S-0 '65.

(MIRA 18:10)

RACHOK, V.V.

Defects in cam profiles caused by the wear of grinding wheels.
Stan. i instr. 34 no.9:19-20 S '63. (MIRA 16:11)

RACHON K.

EXCERPTA MEDICA Sec.6 Vol.11/3 Internal Med. Mar 57

1503. RACHON K. and JANUSZKIEWICZ J. 1. Klin. Chorób Zakaznych A. M. Warszawa; Kierownik Klin., Warszawa. *Leczenie brucelozy antybiotykami i szczepionka. Treatment of brucellosis with antibiotics and vaccine POL.TYG.LEK. 1956, 11/13 (574-579) Graphs 5

A report on 3 cases. Treatment in one patient with chloramphenicol had no effect, but a combination of streptomycin with sulphathiazole resulted in the disappearance of the symptoms. In the other two patients with chronic brucellosis and articular pains, a combined use of streptomycin and sulphonamides resulted in the rapid disappearance of symptoms and full recovery.

Anigstein - Galveston, Tex. (XX, 6)

MALIK, A.; NIEWIAROWSKI, S.; RACHON, K.

Behavior of serum aldolase and transaminase activity in trichinosis;
preliminary communication. Wiadomosci parazyt., Warsz. 4 no.5-6:377-379;
Engl transl. 379-380 1958.

1. Z I. Klin. Chor. Zakaznych Ak. Med. w Warszawie.

(TRANSAMINASES, in blood,
in trichinosis (Pol))

(DESMOLASES, in blood,
aldolase in trichinosis (Pol))

(TRICHINOSIS, blood in,
aldolase & transaminases (Pol))

RACHON, R.K.; JANUSZKIEWICZ, J.

Adrenocortical hormones, blood, blood derivatives and aminoline in the treatment of trichinosis. Wiadomosci parazyt., Warsz. 4 no.5-6:381-383; Engl. transl. 383-384 1958.

1. Z I Kliniki Chor. Zakaznych Ak. Med. w Warszawie.

(ADRENAL CORTEX HORMONES, ther. use,
trichinosis (Pol))

(BLOOD DERIVATIVES, ther. use,
same)

(TRICHINOSIS, therapy,
adrenal cortex hormones & blood deriv. (Pol))

RACHON, Klementyna; JANUSZKIEWICZ, Jerzy

Evaluation of the treatment of epidemic hepatitis with dithiopropanol
(BAL). Polski tygod. lek. 13 no.13:468-471 31 Mar 58.

1. (Z I Kliniki Chorob Zakaznych A. M. w Warszawie; kierownik: doc.
dr med. K. Rachon). Adres autora: Warszawa, ul. Wolska 37 I Klin. Chor.
Zak A.M.

(HEPATITIS, INFECTIOUS, ther.
dimercaprol (Pol))

(DIMERCAPROL, ther. use
hepatitis, infect. (Pol))

RACHON, Klementyna

A rare case of dysenteric rheumatism with distinctly exudative characteristics. *Reumatologia Polska* no.3:361-366 '60.

1. Z I Kliniki Chorob Zakaznych AM w Warszawie Kierownik: prof.
dr med. Klementyna Rachon
 (DYSENTERY BACILLARY compl)
 (ARTHRITIS RHEUMATOID etiol)

MALIK, A.; NIEWIAROWSKI, S.; RACHON, K.

Elevation of serum aldolase and transaminases level in the course of trichinellosis. Wiadomosci parazyt. 6 no.4:325-328 '60.

1. I Clinic of Infectious Diseases, Medical School, Warsaw, Poland.
(TRICHINOSIS blood)
(ALDOLASE blood)
(TRANSAMINASES blood)

RACHON, K.: JANUSZKIEWICZ, J.

Adrenal cortex hormones, ACTH, blood and its preparations, and amino acids in the treatment of trichinosis. Wiadomosci parazyt. 6 no.4:337-340 '60.

1. I Klinika Chorob Zakaznych AM Warszawa.

(TRICHINOSIS ther)

(CORTICOTROPIN ther)

(ADRENAL CORTEX HORMONES ther)

(AMINO ACIDS ther)

WYSOCKI, Jozef; NIEWIARCWSKI, Stefan; RACHON, Klementyna

Behavior of glutamic-acetic and racemic acid transaminase and aldolase during the course of infectious hepatitis. Polski tygod.lek. 15 no.38:1445-1449 19 S '60.

1. Z I Kliniki Chorob Zakaznych A.M. w Warszawie; kierownik: doc. dr K.Rachon.

(HEPATITIS INFECTIOUS blood)

(ALDOLASE blood)

(TRANSAMINASES blood)

RACHON, Klementyna; JANUSZKIEWICZ, Jerzy

Sarcoidosis of the salivary glands. Polski tygod.lek. 16 no.4:
142-145 23 Ja '61.

1. Z I Kliniki Chorob Zakaznych A.M. w Warszawie; kierownik Kliniki:
doc. dr med. K.Rachon.

(PAROTID GLAND dis)

(SARCOIDOSIS case reports)

RACHON, Klementyna

Use of cortical steroids in clinical infectious diseases. Przegl.
epidem. 16 no.1:55-62 '62.

1. Z I Kliniki Chorob Zakaznych AM w Warszawie Kierownik: doc. dr.
K. Rachon.

(COMMUNICABLE DISEASES ther) (ADRENAL CORTEX HORMONES ther)

L 01732-67 I JK

ACC NR: AI6035148

(A)

SOURCE CODE: PO/0081/65/019/002/0189/0190

RACHON, K.; WEHR, H.; JANUSZKIEWICZ, J.; First Clinic of Infectious Diseases of Medical Academy (I Klinika Chorob Zakaznych AM), Warsaw. 19
B

"Fructose-1,6-diphosphate- and Fructose-1-phosphate- Aldolase Activity in Patients with Trichinosis and with Infectious Hepatitis."

Warsaw, Przegląd Epidemiologiczny, Vol 19, No 2, 1965; pp 189-190.

Abstract: Data on 12 patients with trichinosis between the third and fifth week of the disease, and 10 with infectious hepatitis, as well as 10 healthy patients. The normal aldolase (fructose-1-phosphate) was 2.8 (fructose-1,6-diphosphate) was 8.9 with a ratio between the two of 3.2; in trichinosis, the former fell, latter rose to 30 with a ratio of 22.2; in infectious hepatitis both rose (to 15.6 and 54.7 respectively) for a relatively normal ratio of 3.5. Table. Presented at the 3rd Scientific Assembly of Polish Epidemiologists and Infectologists, Krakow, 5-6 Oct 64. Orig. art. has: 1 table.

[JPRS]

TORIC TAGS: hepatitis, animal parasite, parasite disease, disease therapeutics
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ADDITION, 1.

Changes in the system of planning scheduled in the building industry. p. 221.
PRACOWNIK WYKONAWCY, Warszawa, Vol. 27, no. 6, June 1956.

See: Central List of East European Accessions, (RMMB), 10, Vol. 4, no. 1, Oct. 1955,
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Prace, .

Accounting of materials on the building site. p.47.

PRACOWNICZY PRZEGLĄD (Ministerstwo Budownictwa Przemysłowego) Warszawa
Vol. 3, No. 1, Jan. 1956

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Attempting to base the organization of a prefabricated construction enterprise on the principle of specialization of production units.

p. 55 (Budownictwo Przemyslowe) Vol. 4, No. 9, Sept/ 1955, Warszawa, Poland

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